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*DJC*  
**PATENT**

Customer No. 22,852

Attorney Docket No. 9960.0007-01

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

)

STICE et al.

)

Group Art Unit: 1632

U.S. Patent No.: 6,235,969  
(filed as Appln. 08/888,057)

)

Examiner: D. Crouch

Issued: May 22, 2001

)

Confirmation No.: 1746

For: CLONING PIGS USING DONOR NUCLEI FROM NON-QUIESCENT  
DIFFERENTIATED CELLS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**TRANSMITTAL LETTER**

Applicant submits the following:

1. Disclaimer in Patent Under 37 C.F.R. 1.321(a) with copy of Assignment

recorded February 3, 1998, at Reel 8945, Frame 0282.

2. \$130.00 Check for Statutory Disclaimer Fee.

Kindly associate these papers with this patent and charge any additional required fees to Deposit Account 06-0916.

Respectfully Submitted,

Dated: March 13, 2007

By: *JG*

Salvatore J. Arrigo, Reg. No. 46,063  
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**DISCLAIMER IN PATENT UNDER 37 CFR 1.321(a)**

Name of Patentee <b>University of Massachusetts</b> Represented by its Amherst Campus	Docket Number (Optional) <b>9960.0007-01</b>
Patent Number <b>6,235,969</b>	Date Patent Issued <b>May 22, 2001</b>
Title of Invention <b>Cloning Pigs Using Donor Nuclei from Non-Quiescent Differentiated Cells</b>	

I hereby disclaim the following complete claims in the above identified patent:  
**Claims 1-26**

The extent of my interest in said patent is (if assignee of record, state liber and page, or reel and frame, where assignment is recorded): **Reel 8945, Frame 0282**

The fee for this disclaimer is set forth in 37 CFR 1.20(d).

- Patentee claims small entity status. See 37 CFR 1.27.
- Small entity status has already been established in this case, and is still proper.
- A check in the amount of the fee is enclosed.
- Payment by credit card. Form PTO-2038 is attached.
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Signed at Washington, State of D.C., this 12th day of March 2007.

Signature

**46,063**

Registration Number, if applicable

**202-408-4160**

Telephone Number

**Salvatore J. Arrigo**

Typed or printed name of patentee/ attorney or agent of record  
**Finnegan, Henderson, Farabow, Garrett & Dunner, LLP**  
**901 New York Avenue, NW**

Address

**Washington, D.C. 20001-4413**

83/14/2007 SZEWDIE1 00000104 6235969

City, State, Zip Code or Foreign Country<sup>as applicable</sup>**130.00 0P**

This collection of information is required by 37 CFR 1.321. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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\*100632652A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
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THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/03/1998

REEL/FRAME: 8945/0282  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNEE'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNEE:

STICE, STEVEN L.

DOC DATE: 09/02/1997

ASSIGNEE:

ROBL, JAMES M.

DOC DATE: 09/02/1997

ASSIGNEE:

CIBELLI, JOSE

DOC DATE: 09/02/1997

ASSIGNEE:

GOULUEKE, PAUL

DOC DATE: 09/05/1997

ASSIGNEE:

MASSACHUSETTS, UNIVERSITY OF  
OFFICE OF VICE CHANCELLOR FOR RESEARCH AT AMHERST  
AMHERST, MASSACHUSETTS 01002

SERIAL NUMBER: 08888057

PATENT NUMBER:

FILING DATE: 07/03/1997  
ISSUE DATE:

APR 7 1998

Apr 4/8/98

DC0220-012  
Advanced Cell Tech  
RLT/PCT

8945/0282 PAGE 2

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ASSIGNMENT DIVISION  
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RECORDATION FORM COVER SHEET  
PATENTS ONLY

Attorney's Docket No. 000270-012

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Steven L. STICE;  
James M. ROBL;  
Jose CIBELLI; and  
Paul GOLUEKE

Additional name(s) of conveying party(ies) attached?  Yes  No

3. Nature of conveyance:

Assignment       Merger  
 Security Agreement       Change of Name

Other: \_\_\_\_\_

Execution Date: September 2 and 5, 1997

2. Name and address of receiving party(ies):

Name: University of Massachusetts

Address: Office of Vice Chancellor For Research

At Amherst,

Amherst, Massachusetts, 01002

Additional name(s) & address(es) attached?  Yes  No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s)

08/888,057

B. Patent No.(s)

Additional numbers attached?  Yes  No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Robin L. Teskin

Address: BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404

Alexandria, Virginia 22313-1404

6. Total number of applications and patents involved: One (1)

7. Total fee (37 CFR 3.41): \$ 40.00

Enclosed

Authorized to be charged to deposit account, if necessary

8. Deposit account number:

02-4800

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9. Statement and signature:

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Richard C. Ekstrom, Reg. No. 37,027  
Name of Person Signing

Richard C. Ekstrom  
Signature

February 3, 1998  
Date

Total number of pages including cover sheet, attachments, and document: Three (3)

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks  
Box Assignments  
Washington, D.C. 20231

DOCKETED  
filed 2/3/98

## ASSIGNMENT (JOINT)

THIS ASSIGNMENT, by STEVEN L. STICE, JAMES M. ROBL, JOSE CIBELLI, and PAUL GOLUEKE, residing at 468 AMHERST ROAD, BELCHERTOWN, MASSACHUSETTS 01007; 196 OLD ENFIELD, BELCHERTOWN, MASSACHUSETTS 01007, 166 VILLAGE PARK, AMHERST, MASSACHUSETTS 01002, AND 8 DIANE DRIVE #3, BELCHERTOWN, MASSACHUSETTS 01007 (hereinafter referred to as "the Assignors"), respectively, witnesseth:

WHEREAS, the Assignors have invented certain new and useful improvements in CLONING PIGS USING DONOR NUCLEI FROM DIFFERENTIATED CELLS, [ ] which is a provisional application to be filed herewith; [ ] which is a non-provisional application having an oath or declaration executed on even date herewith prior to filing of application; [X] bearing Application No. 08/888,057, and filed on July 3, 1997; and

WHEREAS, UNIVERSITY OF MASSACHUSETTS, A PUBLIC INSTITUTION OF HIGHER EDUCATION OF THE COMMONWEALTH OF MASSACHUSETTS, AS REPRESENTED BY ITS AMHERST CAMPUS and having its principal place of business at OFFICE OF VICE CHANCELLOR FOR RESEARCH AT AMHERST, AMHERST, MASSACHUSETTS 01002 (hereinafter referred to as "the Assignee"), is desirous of acquiring the entire right, title, and interest in and to said inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications, including provisional applications for Letters Patent of the United States or other countries claiming priority to said application, and in and to any Letters Patent or Patents, United States or foreign, to be obtained therefor and thereon.

NOW, THEREFORE, in consideration of One Dollar (\$1.00) and other good and sufficient consideration, the receipt of which is hereby acknowledged, the Assignors have sold, assigned, transferred, and set over, and by these presents do sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns the entire right, title, and interest in and to the above-mentioned inventions, the right to file applications on said inventions and the entire right, title and interest in and to any applications for Letters Patent of the United States or other countries claiming priority to said application, and any and all Letters Patent or Patents of the United States of America and all foreign countries that may be granted therefor and thereon, and in and to any and all applications claiming priority to said applications, divisions, continuations, and continuations-in-part of said applications, and reissues and extensions of said Letters Patent or Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, to the full end of the term or terms for which Letters Patent or Patents may be granted as fully and entirely as the same would have been held and enjoyed by the Assignors had this sale and assignment not been made;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, the Assignors are the sole and lawful owners of the entire right, title, and interest in and to the inventions set forth in said applications and said applications, including provisions applications, above-mentioned, and that the same are unencumbered, and that the Assignors have good and full right and lawful authority to sell and convey the same in the manner herein set forth;

AND for the same consideration, the Assignors hereby covenant and agree to and with the Assignee, its successors, legal representatives, and assigns that the Assignors will, whenever

Application Serial No. 08/888,057  
Attorney's Docket No. 000270-012

counsel of the Assignee, or the counsel of its successors, legal representatives, and assigns, shall advise that any proceeding in connection with said inventions or said applications for Letters Patent or Patents, or any proceeding in connection with Letters Patent or Patents for said inventions in any country, including interference proceedings, is lawful and desirable, or that any application claiming priority to said application, division, continuation, or continuation-in-part of any applications for Letters Patent or Patents, or any reissue or extension of any Letters Patent or Patents to be obtained thereon, is lawful and desirable, sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done for the procurement, maintenance, enforcement, and defense of Letters Patent or Patents for said inventions, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns;

AND the Assignors hereby request the Commissioner of Patents to issue any and all said Letters Patent of the United States to the Assignee as the Assignee of said inventions, the Letters Patent to be issued for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date 9/2/97 Signature of Assignor Steven L. Stice  
Steven L. STICE

Date 9/2/97 Signature of Assignor James M. Robl  
James M. ROBL

Date 9/2/97 Signature of Assignor Jose Cibello  
Jose CIBELLO

Date 9/5/97 Signature of Assignor Paul Golueke  
Paul GOLUEKE

Date \_\_\_\_\_ Signature of Assignor \_\_\_\_\_

Date \_\_\_\_\_ Signature of Assignor \_\_\_\_\_